REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

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For receiving Office use only = PCT/EP 03 / 06 4 1 2 International Application No. 1 6. 06. 03 1 6 JUN 2003 International Filing Date **EUROPEAN PATENT OFFICE** PCT INTERNATIONAL APPLICATION Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference (if desired) (12 characters maximum) DES/PG4857/WO Box No. I TITLE OF INVENTION **PROCESS** Box No. II APPLICANT This person is also inventor Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) Telephone No. +44 20 8047 5000 Facsimile No. Glaxo Group Limited +44 20 8047 6894 Glaxo Wellcome House Teleprinter No. Berkeley Avenue Greenford, Middlesex UB6 0NN Applicant's registration No. with the Office **United Kingdom** State (that is, country) of nationality: State (that is, country) of residence: GB GB This person is applicant all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box for the purposes of: FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) This person is: applicant only SHIPTON, Mark Raiph GlaxoSmithKline applicant and inventor **Gunnels Wood Road** inventor only (If this check-box is marked, do not fill in below.) Stevenage, Hertfordshire SG1 2NY, United Kingdom Applicant's registration No. with the Office State (that is, country) of nationality: State (that is, country) of residence: GB This person is applicant all designated all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box for the purposes of: Further applicants and/or (further) inventors are indicated on a continuation sheet. Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: common representative 🗶 agent Name and address: (Family name followed by given name; for a legal entity, full official designation.

The address must include postal code and name of country.) Telephone No. +44 12 7964 4355 HOCKLEY, Sian Catherine Facsimile No. GlaxoSmithKline +44 20 8047 6894 New Frontiers Science Park South Teleprinter No. Third Avenue Harlow, Essex CM19 5AW Agent's registration No. with the Office **United Kingdom** Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Form PCT/RO/101 (first sheet) (March 2001; reprint January 2003)

Sheet No. ...?...

	D/OR (FURTHER) INVENTOR(S)				
If none of the following sub-boxes is used, this sheet should not be included in the request.					
This person is applicant all designated all designated States Name and address: (Family name followed by given name; for a legal entity, fi	applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office State (that is, country) of residence: GB ates except to of America only the States indicated in the Supplemental Box will official designation. This person is:				
The address must include postal code and name of country. The country of the ad Box is the applicant's State (that is, country) of residence if no State of residence is	indicated below.) applicant only				
WHITEHEAD, Andrew Jonathan GlaxoSmithKline Gunnels Wood Road Stevenage, Hertfordshire SG1 2NY, United Kingdom	applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office				
(), ,	State (that is, country) of residence: GB				
This person is applicant all designated States all designated States all designated States	the United States of America only the States indicated in the Supplemental Box				
Name and address: (Family name followed by given name; for a legal entity, fithe address must include postal code and name of country. The country of the address must include postal code and name of country. The country of the address must include postal code and name of country. The country of the address is the applicant's State (that is, country) of residence if no State of residence is to WOOD-KACZMAR, Marian Wladyslaw GlaxoSmithKline Gunnels Wood Road Stevenage, Hertfordshire SG1 2NY, United Kingdom	ddress indicated in this				
	State (that is, country) of residence:				
This person is applicant all designated states all designated States all designated States	the United States of America only the States indicated in the Supplemental Box				
Name and address: (Family name followed by given name; for a legal entity, fi The address must include postal code and name of country. The country of the aa Box is the applicant's State (that is, country) of residence if no State of residence is i	ldress indicated in this				
State (that is, country) of nationality:	tate (that is, country) of residence:				
This person is applicant all designated States all designated States all designated States					
Further applicants and/or (further) inventors are indicated on another continuation sheet.					

Form PCT/RO/101 (continuation sheet) (March 2001; reprint January 2003)

Sheet No. ...3.

	Sheet No	
Box No. V DESIGNATION OF STATE	S Mark the applicable check-boxes below	; at least one must be marked.
The following designations are hereby made	under Rule 4.9(a):	
Regional Patent		
SL Sierra Leone, SZ Swaziland, T State which is a Contracting State specify on dotted line)	M Gambia, KE Kenya, LS Lesotho, MW Z United Republic of Tanzania, UG Uganda, is of the Harare Protocol and of the PCT (if or	ZM Zambia, ZW Zimbabwe, and any other ther kind of protection or treatment desired,
RU Russian Federation, TJ Tajiki: Patent Convention and of the PCT	AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, l stan, TM Turkmenistan, and any other State v	which is a Contracting State of the Eurasian
Republic, DE Germany, DK Denr IE Ireland, IT Italy, LU Luxembo TR Turkey, and any other State wh	E Belgium, BG Bulgaria, CH & LI Switzerlan nark, EE Estonia, ES Spain, FI Finland, FR urg, MC Monaco, NL Netherlands, PT Portug nich is a Contracting State of the European Pa	France, GB United Kingdom, GR Greece, gal, SE Sweden, SI Slovenia, SK Slovakia, stent Convention and of the PCT
GA Gabon, GN Guinea, GQ Equantity Chad, TG Togo, and any other	BJ Benin, CF Central African Republic, CG atorial Guinea, GW Guinea-Bissau, ML Males State which is a member State of OAPI and a specify on dotted line)	i, MR Mauritania, NE Niger, SN Senegal, Contracting State of the PCT (if other kind
* *		
National Patent (if other kind of protection	n or treatment desired, specify on dotted line):	ent
AE United Arab Emirates	M GM Gambia	NZ New Zealand
AG Antigua and Barbuda	HR Croatia	LAU OM Oman
AL Albania	HU Hungary	PL Poland
AM Armenia	IL Israel	
AT Austria	MIL Israel	M PO Parania
AU Australia	IN India	RU Russian Federation
AZ Azerbaijan		
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BB Barbados	KE Kenya	St cp cut-
	KP Democratic People's Republic	
		SE Sweden
BY Belarus	KR Republic of Korea	M SK Slovekie
· · · · · · · · · · · · · · · · · · ·	X KZ Kazakhstan	SI Sierra Leone
CA Canada CH & LI Switzerland and Liechtenstein		TJ Tajikistan
CN China		TM Turkmenistan
- 		TN Tunisia
CO Colombia	LS Lesotho	
CU Cuba		TT Trinidad and Tobago
CZ Czech Republic		was 11 Timidad and Tobago
DE Germany	M 137 Latric	TZ United Republic of Tanzania
DE Germany	MA Morocco	II IIA Ukraina
DM Dominica	MD Republic of Moldova	M UC Uganda
DZ Algeria		US United States of America
EC Ecuador	M MC Madagassar	US Officed States of Afficience
E Ectador	MK The former Yugoslav Republic of	
ES Spain	Macedonia	VC Saint Vincent and the Grenadines
FI Finland		VN Viet Nam
GB United Kingdom	MWMalawi	
M CD Grenada	MX Mexico	ZA South Africa
GE Georgia	MZ Mozambique	ZM Zambia
GH Ghana		ZW Zimbabwe
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Check-boxes below reserved for designating	States which have become party to the PCT a	fler issuance of this sheet:
+ all states that have joined the		_
PCT since issuance of this sheet	& PG Popula New Gulman	山

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Form PCT/RO/101 (second sheet) (January 2003)



Sheet No. 4

Box No. VI PRIORITY CLAIM						
The priority of the following earlier application(s) is hereby claimed:						
Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:				
		national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office		
item (17 June 2002 (17/06/02)	60/388765	US				
item (2) 19 June 2002 (19/06/02)	PCT/GB02/02814	শ্বি GB শ্বি GB				
item (3) 19 June 2002 (19/06/02)	PCT/GB02/02841	M CB				
item (4)						
item (5)						
Further priority claims	are indicated in the Suppleme	ental Box.				
The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as: all items item (1) item (2) item (3) item (4) item (5) other, see Supplemental Box * Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)):						
Box No. VII INTERNAT	IONAL SEARCHING AUT	THORITY				
Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):						
ISA/						
Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):						
Date (day/month/year)	Numb	er Coun	try (or regional Office)]		
Box No. VIII DECLARAT	TIONS					
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable Number of check-boxes below and indicate in the right column the number of each type of declaration): Number of declarations						
Box No. VIII (i)	Declaration as to the identity	y of the inventor		:		
Box No. VIII (ii)	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent :			:		
Box No. VIII (iii)	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application					
Box No. VIII (iv)	Declaration of inventorship (only for the purposes of the designation of the United States of America) :			·		
Box No. VIII (v)	Declaration as to non-preju	dicial disclosures or exce	ptions to lack of novelty	:		

Form PCT/RO/101 (third sheet) (July 2002; reprint January 2003)



Sheet No. . . . 5

BOX NO. IX CHECK LIST: LANGUAGE	OF FILING	
Box No. IX CHECK LIST; LANGUAGE This international application contains: (a) in paper form, the following number of sheets: request (including declaration sheets): description (excluding sequence listings and/or tables related thereto): claims: abstract: drawings: Sub-total number of sheets: 24 sequence listings: tables related thereto: (for both, actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (c) below)	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item): 1. fee calculation sheet 2. original separate power of attorney 3. original general power of attorney 4. copy of general power of attorney; reference number, if any: 5. statement explaining lack of signature 6. priority document(s) identified in Box No. VI as item(s): 7. translation of international application into (language): 8. separate indications concerning deposited microorganism or other biological material 9. sequence listings in computer readable form (indicate type and number of carriers) (i) copy submitted for the purposes of international search under	:
Total number of sheets : 24 (b) only in computer readable form (Section 801(a)(i)) (i) sequence listings (ii) tables related thereto (c) also in computer readable form (Section 801(a)(ii)) (i) sequence listings (ii) tables related thereto Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the sequence listings: tables related thereto: (additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	Rule 13ter only (and not as part of the international applicatio (ii) (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter (iii) together with relevant statement as to the identity of the copy copies with the sequence listings mentioned in left column 10. tables in computer readable form related to sequence listings (indicate type and number of carriers) (i) copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international application) (ii) (only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater) (iii) together with relevant statement as to the identity of the copy of copies with the tables mentioned in left column	e :
Figure of the drawings which should accompany the abstract:	Language of filing of the international application:	
Box No. X SIGNATURE OF APPLICAN	T, AGENT OR COMMON REPRESENTATIVE ning and the capacity in which the person signs (if such capacity is not obvious from reading	the request).
	HOCKLEY, Sian Catherine (Agent for the Applicant) For receiving Office use only	
Date of actual receipt of the purported international application: Corrected date of actual receipt due to later timely received papers or drawings completi the purported international application:	out Court	rings: eived:
4. Date of timely receipt of the required corrections under PCT Article 11(2): 5. International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid	received:
Date of receipt of the record copy by the International Bureau:	For International Bureau use only	

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